

STUDIES IN THE EQUITANT ONCIDIUMS V.

During the course of my studies in equitant oncidiums, two additional hybrids appear to be as yet undescribed. Their putative parentage has been verified through artificial hybridization. The resulting progeny of these artificial crosses matches closely the details of wild-collected specimens.

ONCIDIUM x FURCYENSE Moir, hybr. no. nat.

(*O. variegatum* Sw. x *O. scandens*, Moir)

Habitus inter parentes intermedium. Pseudobulbi nulli. Folia 8 - 10 sessilis, lancolata, acuta, denticulata, stricta, coriacea, ad 7 - 9 cm longa, 1.3 cm. lata, plus minus falcata et conduplicata. Aerius radices magno numero. Inflorescentia 30 - 40 cm longa, flores racemosae 10 - 30; bracteae lineares, acutae 1 cm. longae, 3 mm latae. Sepalum dorsale erectum 1.3 cm longum, 4 mm latum, brunneo-roseum, acutum, sepala lateralia sensynsepalum 1.3 cm longum, 4 mm latum, parvi apice bidentatum. Petala panduriformis, brunnea ad rosea ultima parvem, 1.7 cm longa, 7 mm lata, margine undulata, denticulata, apice reflexa. Labellum 1.8 cm longum, 2.5 cm latum, lobi laterales 6 mm longi 4 mm lati, flexum sursum, roseum; isthmus 7 mm ad 4 mm latus, 1 cm longus, roseus cum maculis aurantiacis. Lobi inferior reniformis, largo; cristis flavus 5 lobi; gymnostemii alae acinaciformis, purpureum.

Plant growth intermediate to that of parents, rhizomes shorter. Pseudobulbs absent. Leaves 8 - 10 in number, lanceolate, sharp pointed and coarsely denticulated, 7 - 9 cm long 1.3 mm. broad not as slender as *Onc. scandens*. Aerial roots numerous. Flower spike 30 - 40 cm long with flowers racemose 10 to 30 in number, bright strong pink, bracts triangular apiculate 1 cm x 3 mm. Dorsal sepal erect 1.3 cm x 4 mm, brownish pink apiculate; lateral sepals in sensynsepalum 1.3 cm x 4 mm with very small points. Petals panduriform, brown then pink 1.7 x 7 mm margin undulated and denticulate with point reflexed. Labellum 1.8 cm x 2.5 cm, lateral lobes 6 mm long by 4 mm broad, curving upwards toward column; isthmus tapering from 7 mm to 4 mm, pale pink with orange dots; lower lobes full but reniform in shape, with large indent separating them at bottom, crest's lobes deep yellow, midway between parents with only slight groove in upper lobes which are not so dipped down as in *variegatum*. Wings on column scimitar-shaped and deep purple. This is a very vigorous grower with excellent sprays of stiffer and fuller flowers than parents.

Haiti at 5000 ft. directly above small village of Furcy in the pinee south of both Kenscoff and Port au Prince by several miles. Collected growing in tall grass in open areas in the forest of pines.

Type specimen at Oakes Ames Herbarium. Original plant collected March 15, 1955. Specimen prepared from plant growing in Moir's garden, Honolulu, Hawaii.

ONCIDIUM x *DOMINGENSE* Moir n.h. nov.

(*O. haitiense* Leonard & Ames x *O. scandens* Moir)

Habitus inter parentes intermedium, rhizoma alte scandens, rhizoma ad 6 cm. Planta caespitosa, folia ad 16, sessilis, falcata, acuta, toto margine cartilagina dentata, 3 - 11 cm longa, 3 mm lata, supra sulcata. Inflorescentia ad 70 cm, semirecta, flores in racemose, multiflorus; bracteae triangulae, lanceolatae, acuminata, 1 cm long, 3 mm lata, stictus; pedicel 2 cm; flores diffusum laxana multiflorum dispositi, stramineus. Sepalum dorsale 6 mm longa, 2 mm lata, apice reflexum, concavum, oblongum, subspathulatum, maculosus badius; lateralia 8 mm longa 4 mm lata, concavum, apicule luteus, parvi, maculosus badius. Petala panduriformis 9 mm long, 5 mm lata, apice reflexum, stramineus, radices maculosus badius. Labellum 1.8 cm longa, 1. cm lata, lobi laterales 4 mm longa 3 mm lata, obtusa; isthmus semitubulatus 5 mm longa, 5 mm lata, stramineus, maculosus badius, margin denticulata; cristis tuberculis 6, tuberculis 3 alta magnus, cum medium magnus refluxum sursum, porro, lateralis tuberculi parvi; inferior lobi remiformis, largo, margino denticulate, pars reflexa semitubulata, stramineus.

Plants with scandent rhizomes to 6 cm. Leaves to 16 in number, sessil, falcate and acute, margin of cartilaginous sharp teeth, 3 - 11 cm long, 3 mm broad, falcate above middle. Inflorescence to 70 cm; semirect, flowers in raceme, many; bracts triangular, lanceolate, acuminate, 1 cm long 3 mm broad, tightly held; petiole 2 cm; flowers scattered along stem, straw colored. Dorsal sepal 6 mm long, 2 mm broad, tip reflexed, sepal concave and oblong, subspathulate covered with chestnut brown small spots; lateral sepals 8 mm long, 4 mm broad joined together, concave spotted same colors with small straw colored tips. Petals fiddle-shaped 9 mm long 5 mm broad, point reflexed, straw colored with inner 1/3 spotted in chestnut brown. Lip 1.8 cm long, 1.5 cm broad; upper lobes 4 mm by 3 mm broad, turning upwards; isthmus semi-tubular 5 mm long, 5 mm broad, straw colored with many chestnut brown colored spots, margin toothed; crest tuberculi 6 in all, 3 upper ones, with center very small, 3 lower ones with the middle one very large turned upwards and inward, lateral 2 tuberculi small and turning sidewise; lower lobe kidney shaped with wavy toothed edge the sides reflexed to give skirted and tubular effect, all straw colored.

Dominican Republic, west of Loma de Cabrera. Type specimen at Ames Herbarium. Original plant sent to me by someone without giving his name. Specimen prepared from plant growing in Moir's garden, Honolulu, Hawaii.

These two natural hybrids complete the collected natural hybrids grown for several years while hybrids were made between species I felt were their parents. The result being a confirmation and hence the descriptions are recorded above. Hybridization is an important part of knowing the material one works with or finds.